

### Amendments to the Claims

1. (Currently amended) A tooth for use in a grinding wheel having a rotor, the tooth comprising:
  - a main body including a slot comprising two substantially planar surfaces for, in use, engaging with a slot in the rotor,
    - at least one cutting face connected to and extending away from the main body;
    - wherein, in use, the force in the plane of the rotor is transferred onto the rotor via one of the planar surfaces provided on the slot; and
    - wherein the cutting face includes at least two tips which are perpendicular to each other.
2. (Original) A tooth according to claim 1, further comprising a channel in its back face.
3. (Currently amended) A tooth according to ~~any of the preceding claims~~ claim 1, further comprising a through hole for alignment that interfaces with one of a plurality of through holes provided in the rotor when the tooth is located in one of the slots in the rotor.
4. (Currently amended) A grinding unit for use with a grinding machine, the unit comprising:
  - a rotor having a rim around which a plurality of slots are provided;
  - a plurality of teeth, each tooth comprising:
    - a main body including a slot comprising two substantially planar surfaces
    - engaged with a respective slot in the rotor,
    - at least one cutting face connected to and extending away from the main body;
    - wherein, in use, the force in the plane of the rotor is transferred onto the rotor via
    - one of the planar surfaces provided on the slot; and
    - wherein the cutting face includes at least two tips which are perpendicular to
    - each other; according to claims 1 to 3; and
  - fixing means for retaining each tooth in its associated slot in the rotor.
5. (Original) A grinding unit according to claim 4, wherein the radius of the rotor varies around the circumference.
6. (Currently amended) A grinding unit according to claim 4 ~~or claim 5~~, wherein the rotor is polygonal.

7. (Original) A grinding unit according to claim 6, wherein the polygon shape is irregular.
8. (Currently amended) A grinding unit according to either claim 6 or claim 7, wherein the rotor has an even number of sides.
9. (Currently amended) A grinding unit according to claim 6 any of claims 6 to 8, wherein each slot is provided at a corner of the polygon.
10. (Original) A grinding unit according to claim 8, wherein the slots are arranged in diametrically opposed pairs.
11. (Original) A grinding unit according to claim 10, wherein the slots in an opposing pair of slots are the same distance from the axis.
12. (Currently amended) A grinding unit according to claim 8 any one of claims 8 to 10, wherein the number of slots is 4, 6, 8, 10 or 12.
13. (Currently amended) A grinding unit according to any one of the claims 4 to 12, wherein at least one slot is angled towards the axis of rotation of the rotor.
14. (Original) A grinding unit according to any one of claims 4 to 12, wherein at least one slot is angled away from the axis of rotation of the rotor.
15. (Currently Amended) A grinding unit according to claim 12 any one of claims 12 to 14, wherein the slots are arranged in two diametrically opposed series, each successive slot in each series having an increased distance from the axis in the direction in which the rotor rotates, in use.
16. (Currently amended) A grinding unit according to claim 4 any of claims 4 to 15, wherein the rotor further comprises a plurality of through holes corresponding in number with the number of slots in the rotor, and each tooth further comprises a corresponding through hole in alignment with a respective through hole in the rotor when the tooth is located in the respective slot on the rotor, and wherein the fixing means is a nut and bolt, the bolt passing through the aligned through holes in the rotor and the respective tooth.